. DOCUMENT RESUME

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ABSTRACT

Presented is a listing of general books on mathematics which are highly recommended by the Mathematical Association of the United Kingdom. The following information on each book is provided: author; title; publisher; cost to the nearest pound; categories of use; and a code that indicates if the book is out of print, reprinted, and/or highly recommended. Brief annotations are provided with many of the entries. (MP)

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BOOKLISTS

For the Teaching of Mathematics in Schools

SELECTIONS FROM THE RECOMMENDED BOOKS

(REF: SEL)

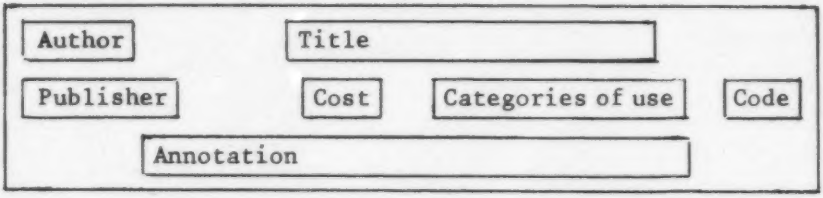
prepared by a sub-committee
of the Teaching Committee
of the
Mathematical Association

THE MATHEMATICAL ASSOCIATION

May 1980

SE 035 599

Information on each book is displayed in the following format:



Cost Given to the nearest £ above.

Code Symbols

* Highly recommended.

O Out of Print.

R Reprinting.

Categories of use

A Applications - to science, geography, economics.....
B Background and reference books for teachers.
C Content - mathematical topics (not above 1st year University level).
E Mathematical Education - eg. for 'Diploma' students.
J/K Primary school teachers (4-11 yrs)/and pupils.
L/M Lower secondary school teachers (11-16)/and pupils.
P/Q Practical and constructional work, books for teachers/pupils.
T Teaching method.
U/V Sixth-form teachers/and pupils.
Z Puzzles, problems, games and recreational mathematics.

Details of lists available are shown outside back cover.

PREFACE

The lists have been prepared by a sub-committee of Teaching Committee, and edited by F.R. Watson. A data-processing program written by Dr. K.H. Bennett (University of Keele) was used to extract the sublists and print them alphabetically.

Very many people have contributed to the production of these lists, in a variety of ways. In particular, thanks are due to the staff of the Education Library and of the Computer Centre, University of Keele, and to the members of the sub-committee, and many others who supplied information and comments.

It is intended to up-date the lists at fairly frequent intervals. We cannot hope to have avoided all errors and your suggestions are invited; they will help to improve the lists.

Comments on the lists, or notification of errors and omissions will be welcomed. Please address correspondence to the Secretary, Booklists Sub-committee, c/o Mathematical Association, 259 London Road, Leicester.

F.R.W.

May 1980

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ALEKSANDROV, A.D.,ET AL MATHEMATICS. ITS CONTENT, METHOD AND MEANING 3 VOLS).
M.I.T.PRESS, 1969. BC *
+ (INTRO. TO MODERN HIGHER MATHS; TRANSLATED FROM RUSSIAN)

ANDREWS, J.G.& MCLONE R.R., EDS. MATHEMATICAL MODELLING.
BUTTERWORTHS, 1976. 4 ABCU *
+ (G418, CASE STUDIES - ABOUT USING SPECIFIC MODELS, RATHER THAN THE PROCESS OF MODELLING, PP. 260)

APOSTOL, T. SELECTED PAPERS ON PRECALCULUS MATHEMATICS.
MATHEMATICAL ASSOCIATION OF AMERICA, 1977. BUMUV *
+ (G423, ARTICLES FROM AMERICAN MATHEMATICAL MONTHLY, AND MATHEMATICS MAGAZINE PP. 469)
MAGAZINE PP. 469)

ATM PAMPHLETS (SEVERAL TITLES)
ATM,MARKET ST CHAMBERS,NELSON,LANCS, BB9 7LN 1 EJKLMT *
+ (TITLES INCLUDE IDEAS FOR SLOW LEARNERS;NUMBERS EVERYWHERE;RODS, BLOCKS AND BALANCES;FILM AND FILMSTRIP LIST. DETAILS FROM ATM)

ATM THE DEVELOPMENT OF MATHEMATICAL ACTIVITY IN CHILDREN.
ATM, MARKET ST. CHAMBERS, NELSON, LANCS. EJLTU *
+ (WRITTEN FOR I.C.M., MOSCOW 1966)

ATM EXAMINATIONS AND ASSESSMENT.
ATM, MARKET ST. CHAMBERS, NELSON, LANCS. EJLTU *
+

ATM NOTES ON MATHEMATICS FOR CHILDREN.
CUP., 1977 3 EJLT *
+ (G421, ANECDOTES AND EXPOSITIONS, PRIMARY, LOWER SECONDARY, PP. 233)

ATM NOTES ON MATHEMATICS IN PRIMARY SCHOOLS
CUP 1967 2 JLET *
+ (DESPITE ITS TITLE CONTAINS MANY IDEAS USEFUL IN EARLY SECONDARY YEARS)

AVITAL, S.M. AND SHETTLEWORTH, S.J. OBJECTIVES FOR MATHEMATICS LEARNING.
ONTARIO INSTITUTE FOR STUDIES IN EDUCATION, 1968. EJLT *
+ (TAXONOMONY DERIVED FROM BLOOM, SAMPLE TEST ITEMS)

BAKER,L., WELLS, STEPHENS, FIELKER CHILDSPLAY MATHEMATICS
EVANS, 1975. 2 PQJBEZT *
+ (GAMES, OPEN SITUATIONS)

BALL, W.W. & COXETER, H.S.M. MATHEMATICAL RECREATIONS AND ESSAYS.
MACMILLAN, 12TH ED., 1974. 3 BUVZ *0
+ (G409, CLASSIC COLLECTION, REPEATEDLY REVISED PP. 428)

BANWELL, C. AND OTHERS STARTING POINTS FOR TEACHING MATHS IN MIDDLE AND SECONDARY SCHOOLS.
OUP.1972. EJLMPQTUVZ *0
+ (MIS 1,7 IDEAS FOR INVESTIGATIONS, LOWER SECONDARY)

BARBEAU, E.,ET AL 1001 PROBLEMS IN HIGH SCHOOL MATHEMATICS (10 VOLS).
CANADIAN MATH. CONGRESS (3421 DRUMMOND ST., 2 Z *
MONTREAL, CANADA), 1976.
+ (EACH VOL. CONTAINS 100 PROBLEMS, WITH SOLUTIONS OF SOME, AND OF SOME FROM PRECEDING VOLS. PP.80 EACH)

BARNES, D. LANGUAGE, THE LEARNER AND THE SCHOOL.
PENGUIN, 1971, 2ND. ED. 1 EJLTU *
+ (LANGUAGE INTERACTION IN THE CLASSROOM - INCLUDES MATHEMATICS EXAMPLES)

BARR, S. EXPERIMENTS IN TOPOLOGY.
MURRAY, 1965. BLMPUVQ *0
+ (PRACTICAL ACTIVITY AND FASCINATING DIALOGUE)

BATTERSBY, A. MATHEMATICS IN MANAGEMENT.
PENGUIN, 1966. 1+ ABLUV *
+ (G380, USEFUL GUIDE OPERATIONAL RESEARCH PP.256)

BAXANDALL, P.R.ET AL PROOF IN MATHEMATICS.
UNIVERSITY OF KEELE. INSTITUTE OF 1 ELUV *
EDUCATION, 1978
+

BECKENBACH, E. & BELLMAN, R. AN INTRODUCTION TO INEQUALITIES
MATHEMATICAL ASSOCIATION OF AMERICA LMUVC *
+

BEILER, A.H. RECREATIONS IN THE THEORY OF NUMBERS. THE QUEEN OF MATHEMATICS ENTERTAINS
DOVER, 1966. 3 LMUVZ *
+ (ELEMENTARY, VERY FULL BIBLIOGRAPHY, PP.349)

BELL, A.W. AND OTHERS — JOURNEY INTO MATHS.
BLACKIE, 1979. — ELMT *
+ (THE S.NOTTINGHAMSHIRE PROJECT)

BELL, E.T. — MEN OF MATHEMATICS. VOLS I,II.
PENGUIN, 1953. — BHUV *
+ (DETAILED BIOGRAPHIES OF MAJOR MATHEMATICIANS)

BERGAMINI, D. — MATHEMATICS.
TIME-LIFE INTERNATIONAL, 1969. 1+ BHUMUV *
+ (G391, POPULAR HISTORICAL ACCOUNT, PP. 189)

BIRKHOFF, G.& MACLANE, S.A. — A SURVEY OF MODERN ALGEBRA.
COLLIER-MACMILLAN, 4TH ED., 1977. 11 CU *
+ (G419, CLASSIC RECENTLY REVISED, COVERS MOST UNDERGRADUATE TOPICS, PP. 500)

BOWDEN, F.P.& TABOR,D. — FRICTION AND LUBRICATION.
CHAPMAN AND HALL, 1956. — BCUV *O
+ (PHYSICAL REALITIES UNDERLYING LAWS OF FRICTION)

BOYER, C. — A HISTORY OF MATHEMATICS.
WILEY, 1974. 7 H *
+ (GOOD GENERAL HISTORY)

BUDDEN, F.J. — THE FASCINATION OF GROUPS
CUP 1972 6 LUV *
+ (MIS 2,1)

BURKE, P. AND DEWHURST, W. — BRONTE BOOKS (SET OF SEVERAL TITLES)
LONGMAN 2 K *
+ (SET OF 8-16PP BOOKLETS FOR PRE-SCHOOL AND INFANT CHILDREN)

CARTER, D.C.,ED. — TOPICS IN MATHEMATICS:SOME IDEAS FOR THE SECONDARY CLASSROOM
BELL & HYMAN, 1979 4 BCELTU *
+ (FROM MATH. GAZETTE)

CARTER, D.C. AND WAIN, G.T., EDS. — REFERENCES OF USE TO TEACHERS OF MATHEMATICS. VOL I AND SUPPLEMENT 1
CENTRE FOR STUDIES IN SCIENCE EDUCATION, U. OF LEEDS. 1973,1979. — BEJLTU *
+ (COMPREHENSIVE, FROM JOURNALS)

CHAROSH, M. — STRAIGHT LINES, PARALLEL LINES, PERPENDICULAR LINES.
BLACK, 1971. 2 K *
+

CLARKE, G.M. & COOKE, D. A BASIC COURSE IN STATISTICS
ARNOLD, 1978. 7 UVBC *
+ (G423, TEXT FOR A LEVEL AND BEYOND; PRACTICAL APPLICATIONS ARE STRESSED BUT THEORY IS WELL AND CAREFULLY EXPLAINED; LOTS OF EXERCISES PP. 368)

COLE, J.P. AND BEYNON, N.J. NEW WAYS IN GEOGRAPHY (3 VOLS)
BASIL BLACKWELL 1, POJKLM *
1,1
+ (MIS 6,1 SIMPLE PRACTICAL MATHEMATICS EXERCISES,PP61,64,64)

COSRIMS THE MATHEMATICAL SCIENCES.
M.I.T.PRESS, 1969. 5+ BUV *
+ (ESSAYS BY U.S. AUTHORS - MODERN RESEARCH AND APPLICATIONS)

COURANT, R.& ROBBINS, H. WHAT IS MATHEMATICS?
OXFORD, 1941. 9 BCEU *
+ (READABLE INTRODUCTION TO IDEAS AND CONCEPTS AT UNDERGRADUATE LEVEL)

COXETER, H.S.& GREITZER,S.L. GEOMETRY REVISITED.
MATHEMATICAL ASSOCIATION OF AMERICA, 1967. 1+ ELMUV *
+ (G381, WIDE-RANGING AND FRESH, PP. 193)

COXETER, H.S.M. INTRODUCTION TO GEOMETRY.
WILEY, 2ND EDN. 1969. 15 CUV *
+ (CLASSIC SUMMARY - LOOKS HARDER THAN IT IS; AN EXCELLENT SURVEY OF SYMMETRY).

CRITCHLOW, K. ORDER IN SPACE (GEOMETRY).
THAMES & HUDSON,1969 JLPUVM *
+ (PRACTICAL VISUAL EXERCISES)

CUNDY, H.M. & ROLLET, A.P. MATHEMATICAL MODELS.
OXFORD, 2ND EDN., 1973 3 BJLMPQUV *
+ (G358, MIS 2,3, CLASSIC TREATMENT OF MODELS AND MODEL-MAKING, PP. 286

DAISH, C.B. THE PHYSICS OF BALL GAMES.
+ (G401,PP180)

DANTZIG ,T NUMBER ,THE LANGUAGE OF SCIENCE
ALLEN AND UNWIN,1962,4TH ED 2+ LUVH *
+ (GXV,FIRST 8 CHS TRACE HISTORY OF NUMBER CONCEPT FROM FINGERS TO WEIERSTRASS.ACCURATE AND INTERESTING ,PP320)

DAVENPORT, H. THE HIGHER ARITHMETIC
HUTCHINSON, 1952. UV *
+

DIENES, Z.P. BUILDING UP MATHEMATICS.
HUTCHINSON EDUCATIONAL 4TH ED. 1971. EJLT *
+ (INTRODUCTION TO DIENES' PHILOSOPY OF MATHEMATICS TCHG - INCLUDING MULTIBASE ARITHMETIC BLOCKS AND ALGEBRAIC EXPERIENCE MATERIALS)

DORRIE, H. 100 GREAT PROBLEMS OF ELEMENTARY MATHEMATICS.
DOVER. 1965. 3 BUVZ *
+

DYNKIN, E.B.&USPENSKII,V.A. MULTICOLOR PROBLEMS.
HEATH (EUROSPAN,LONDON WC2) CUVZ *
+ (STEADY PROGRESS THROUGH THE 2 AND 3 PROBLEMS; EXCELLENT FOR INDEPENDENT STUDY BY THE ABLE PUPIL)

ELLIS, A. AND TREEBY, T. ALGEBRAIC STRUCTURE.
MURRAY,1974. 2 CUV *
+ (BRIEF BUT FAIRLY DIFFICULT INTRODUCTION TO ABSTRACT ALGEBRA)

ELLIS, L. E. ET AL COMPUTERS & THE TEACHING OF NUMERICAL MATHEMATICS.
MATHEMATICAL ASSOCIATION, 1971. BU *
+

ESCHER, M. C. THE GRAPHIC WORK OF M. C. ESCHER.
OLDBOURNE PRESS.1961. BJKLMUVZ *
+ (GOOD REPRODUCTIONS, SOME IN COLOUR, OF ESCHER'S WORK; NO ANALYSIS)

EVES, H. A SURVEY OF GEOMETRY,I,II.
ALLYN & BACON, 1963. BHUV *
+ (THOROUGH; VOLI SYNTHETIC,VOLII ANALYTIC)

EVES, H. AN INTRODUCTION TO THE HISTORY OF MATHEMATICS.
HOLT SAUENDERS, 4TH EDITION,1979 14 HV *
+ (G418,FULL OF USEFUL PROJECT IDEAS AND INVESTIGATIONS,PP588)

FADIMAN, C. FANTASIA MATHEMATICA.
SIMON AND SCHUSTER 1958 B *
+

FADIMAN, C. THE MATHEMATICAL MAGPIE.
SIMON AND SCHUSTER 1964 B *
+

FEATHER, N. MASS, LENGTH, AND TIME.
PENGUIN. BUV *O
+

FELLER, W. INTRODUCTION TO PROBABILITY THEORY, VOL I
WILEY, 1950. CU *
+

FLETCHER, H., HOWELL, A.H. AND WALKER, R. MATHEMATICS FOR SCHOOLS: TEACHERS' RESOURCE BOOKS
ADDISON WESLEY 1970-79 4 JLBET *
+ (LEVEL I (INFANTS) ONE VOL., LEVEL II (JUNIOR-MIDDLE) FIVE VOLS.)

FLETCHER, T. J. LINEAR ALGEBRA THROUGH ITS APPLICATIONS.
VAN NOSTRAND, 1972. CUV *O
+ (EXCELLENT INTRODUCTION -GETS DIFFICULT AT END; APPLICATIONS TO GEOMETRY, PHYSICS, STATISTICS, ETC. FAMILIARITY WITH MECHANICS NEEDED FOR SOME SECTIONS.)

FLETCHER, T.J., ED. SOME LESSONS IN MATHEMATICS.
CUP 8 BELTU *
+ (INDISPENSIBLE - ONE OF THE CLASSICS OF MODERN MATHEMATICS; CHAPTER 10 IS AN EXCELLENT ACCOUNT OF REFLECTION GEOMETRY)

GLENN, J.A. CHILDREN LEARNING GEOMETRY
HARPER & ROW, 1979 3 JET *
+ (CLASSROOM ACTIVITIES ON SHAPE FOR 5-9 YEAR OLDS)

GRIFFITHS H.B. AND HOWSON A.G. MATHEMATICS: SOCIETY & CURRICULA.
CUP., 1974. BELU *
+ (MIS 3,6; STANDARD REFERENCE; FORCES INFLUENCING CURRICULUM)

H.M.INSPECTORATE MATHEMATICS 5-11: A HANDBOOK OF SUGGESTIONS
HMSO, 1979 3 JET *
+ (SUGGESTED BASIC SYLLABUS WITH INDICATIONS OF TEACHING APPROACH, PPB3)

H.M.S.O. TIME MEASUREMENT.
HMSO. B *
+

HODGE, S. E. AND SEED, M. L. STATISTICS AND PROBABILITY.
BLACKIE AND CHAMBERS, 1978. 3 CUV *
+ (6TH FORM TEXT OF SMG; COVERS MOST OF STATISTICS REQUIRED FOR A-LEVEL)

HOGBEN, L. MATHEMATICS
MACDONALD (WONDERFUL WORLD SERIES) 1968 K M J L *
+ (BEAUTIFULLY ILLUSTRATED CHILDREN'S BOOK)

HOLDEN, A. SHAPES, SPACE AND SYMMETRY.
COLUMBIA, 1971. KMVZ *
+ (MANY BEAUTIFUL PHOTOGRAPHS DISCUSSED AND ANALYSED)

HOLLAND, J.M. STUDIES IN STRUCTURE.
MACMILLAN, 1972. 2+ CUV *R
+ (G400, TO GROUPS THROUGH ISOMORPHISMS; INCLUDES APPLICATIONS, PP235)

HOLT, J. HOW CHILDREN FAIL.
PITMAN, 1964. EJLT *
+ (POLEMICAL; DIARY OF ATTEMPTS TO ANALYSE)

HONSBERGER, R. MATHEMATICAL GEMS I, II.
MATHEMATICAL ASSOCIATION OF AMERICA 1973, 1076. BCUV *
+ (G407, 417 UNUSUAL AND FASCINATING, PP176, 182)

HUFF, D. HOW TO TAKE A CHANCE.
PENGUIN. 1 BLMUV *
+ (LIGHT-HEARTED)

HUFF, D. HOW TO LIE WITH STATISTICS.
GOLLANCZ, 1954. BJLMUV *
+ (GIVES EXAMPLES OF FALSE/MISLEADING DATA PRESENTATION; ELEMENTARY, AMUSING AND INSTRUCTIVE)

HUNTER J. CALCULUS.
BLACKIE/CHAMBERS, 1972. 3 CUV *
+ (G 410, 6TH FORM TEXT OF SMG, PP245)

INSTITUTION OF MECHANICAL ENGINEERS. ENGINEERING HERITAGE.
HEINEMANN, 1963 AHB *
+ (FULL OF HISTORICAL AND BIOGRAPHICAL ARTICLES; ENGINEERING IN BROADEST SENSE)

JEGER M. TRANSFORMATION GEOMETRY.
ALLEN & UNWIN, 1966. BCLUV *D
+ (ANALYSIS OF TRANSFORMATIONS, NOT THE GOEMETRY - ISOMETRIES, ENLARGEMENTS SIMILARITIES - 1ST YR. UGRAD. LEVEL)

KASNER, E. & NEWMAN, J.R. MATHEMATICS AND THE IMAGINATION.
BELL, 1949. 5 BLUVZ *
+

KAZARINOFF, N.D. GEOMETRIC INEQUALITIES.
MATHEMATICAL ASSOCIATION OF AMERICA 1961 LUV *
+

KLEIN, F. ELEMENTARY MATHEMATICS FROM AN ADVANCED STANDPOINT. VOLS 1,2.
DOVER, 1939. BCEHTU *O
+ ("COMPULSORY READING FOR ANY SERIOUS 6 FORM TEACHER - STILL !" VOL 1 THE BETTER OF THE TWO - THE GEOMETRY IN VOL 2 IS HEAVIER GOING)

KLINE, M. MATHEMATICS IN THE MODERN WORLD.
FREEMAN, 1968. ABEHUV *
+ (30 READINGS FROM SCIENTIFIC AMERICAN)

KLINE, M. MATHEMATICAL THOUGHT FROM ANCIENT TO MODERN TIMES.
OUP, 1973. 24 CHLUV R*
+ (G403, MIS 3,4, EXHAUSTIVE, AUTHORITATIVE HISTORY, PP1238)

KLINE, M. MATHEMATICS IN WESTERN CULTURE.
PENGUIN, 1972. 2 BCHLUV *
+ (LAYMAN'S INTRODUCTION)

KORDEMSKY, B. THE MOSCOW PUZZLES.
PENGUIN, 1975. 2 LMUVZ *
+ (MIS 6,1)

KRAITCHIK, M. MATHEMATICAL RECREATIONS.
ALLEN & UNWIN, 1960. BLMUVZ *O
+

KRUTETSKII, V.A THE PSYCHOLOGY OF MATHEMATICAL ABILITIES IN SCHOOLCHILDREN
UNIVERSITY OF CHICAGO PRESS 15 E *
+ (TRANSLATED FROM RUSSIAN, PP. 416)

LAKATOS, I PROOFS AND REFUTATIONS: THE LOGIC OF MATHEMATICAL DISCOVERY
CUP, 1976 EB *
+ (G416 A COLLECTION OF PAPERS - INCLUDES HIS PAPER ON THE EULER POLYHEDRON THEOREM, FIRST PUBLISHED IN B.J. PHIL. SCI.)

LANCASTER, P. MATHEMATICS: MODELS OF THE REAL WORLD.
PRENTICE-HALL, 1976. 9 AUVBC *
+ (G418, PP164)

LAND, FRANK THE LANGUAGE OF MATHEMATICS.
MURRAY, 1975. 3 ABELMUV *
+ (WRITTEN AT ELEMENTARY LEVEL FOR PRIMARY TEACHERS)

LAWRENCE, J.D. A CATALOG OF SPECIAL PLANE CURVES.
DOVER, 1972. 3 BCLUV *
+ (G402, REFERENCE ONLY, BUT EXCELLENT, PP218)

LEAPFROGS GROUP CALCULATORS; FITTING; SYSTEMS (3 VOLS)
LEAPFROGS, COLD HARBOUR, NEWTON ST. CYRES, 1,1 KMQ *
EXETER, DEVON
+ (LEAPFROGS GROUP ALSO PRODUCES: POSTERS, FILMS, SLIDES, CASSETTES
SEE CATALOGUE)

LEAPFROGS GROUP (NETWORK SERIES) ACTION BOOKLETS: 14 TITLES
HUTCHINSON, 1977 1,1 KMQ *
+ (TITLES ARE : ANIMATIONS,BANDS,CHANCE,CODES,CUBES,DOODLES,DOTS,
FOLDS,MOVES,ORDERS,PEGBOARDS,PRINTS,SPIRALS,TILES)

LINDGREN, H. & FREDERICKSON, G. GEOMETRIC DISSECTIONS.
DOVER/CONSTABLE, 1965. MVZ *
+

LITTLEWOOD, J.E. A MATHEMATICIAN'S MISCELLANY.
METHUEN, 1957. BUV *O
+

LOCKWOOD, E.H. A BOOK OF CURVES
CUP, 1961. 11 BLMPUV *
+ (G360, ONE NEW CURVE DISCUSSED EVERY 2 PAGES)

LOVELL, K THE GROWTH OF BASIC MATHEMATICAL AND SCIENTIFIC CONCEPTS IN CHILDREN
ULP, 5TH EDN., 1966 EJL *O
+

LUMB, D. AND PAPENDICK, A. MATHEMATICS 5 TO 9
MURRAY, 1978. 3 JBETP *
+ (MATHS GUIDE)

MACGILLAVRY, C.H. SYMMETRY ASPECTS OF ESCHER'S PERIODIC DRAWINGS.
SOHN, SCHELTEMA AND HOLKEMA, UTRECHT, 2DN BZU *
EDN., 1976
+ (ESCHER'S PICTURES USED TO PRODUCE TESSELATIONS; ANALYSIS PROVIDED)

MARCH, L. & STEADMAN, P. THE GEOMETRY OF ENVIRONMENT.
RIBA PUBLICATIONS, 1971. 5 ABC_UV *
+ (G410, MATHS, IN ARCHITECTURE - MANY UNEXPECTED APPLICATIONS, THE FORMAL GEOMETRY IS SUBSTANTIAL, PP360)

MATHEMATICAL ASSOCIATION REPORTS ON THE TEACHING OF....(VARIOUS TITLES)
BELL BELTU *
+ (REPORTS ON GEOMETRY(1951),ARITHMETIC(1952,64),MECHANICS(1950,65),
ANALYSIS(1970),A-LEVEL PROBABILITY AND STATISTICS(1975),11-16
1974),SIXTH-FORM NON-SPECIALISTS,ALGEBRA(1951,57),CALCULUS
(1951),HIGHER GEOMETRY(1953),TRIGONOMETRY(1950)
DESPITE THE CHANGES OF RECENT YEARS,THESE CONTAIN MUCH
USEFUL MATERIAL. DETAILS FROM M.A.,LEICESTER)

MIDONICK A TREASURY OF MATHEMATICS.2 VOLS.
PENGUIN, 1968. BHUMUV *O
+ (COLLECTION OF ORIGINAL SOURCES)

MOLD, J TOPICS FOR MATHEMATICS,(4 VOLS)
CUP, L96 KMQ *
+ (MIS 1,1;TITLES ARE ROLLING,TESSELLATIONS,CIRCLES,SOLID MODELS)

MOORE, D. S. STATISTICS CONCEPTS AND CONTROVERSIES
FREEMAN, 1979. UV *
+ (EXCELLENT INTRODUCTION TO STATISTICAL THINKING FOR GENERAL STUDIES)

MOORE, W., WILLIAMS, M. ET AL NUFFIELD MATHEMATICS 2
LONGMANS, 1979 4 JPT *
+

MOORE, W., WILLIAMS, M. ET AL. NUFFIELD MATHEMATICS 1
LONGMANS, 1979 4 JPT *
+

MOSES, S. THE ART OF PROBLEM-SOLVING.
TRANSWORLD. 1 UVZ *0
+ (G413, PP183)

MOSTELLER, F. FIFTY CHALLENGING PROBLEMS IN PROBABILITY WITH SOLUTIONS.
ADDISON-WESLEY, 1965. CUV *0
+ (WILL TEST OUT THE BEST A-LEVEL STUDENTS, PP88)

MOSTELLER, F. AND OTHERS, ECS. STATISTICS BY EXAMPLE, (4 VOLS).
ADDISON-WESLEY, 1973. 4, BCEUV *
4,
4,4
+ (TITLES ARE DETECTING PATTERNS, EXPLORING DATA, FINDING MODELS, WEIGHING CHANCES; INTERESTING ANALYSES OF REAL LIFE SITUATIONS)

MOSTELLER, F. ET AL PROBABILITY WITH STATISTICAL APPLICATIONS.
ADDISON-WESLEY, 2ND EDN., 1970. 8 UV *
+ (OPEN UNIVERSITY TEXT - AND USEFUL FOR A-LEVEL, PP542)

NATIONAL SOCIETY FOR THE STUDY OF EDUCATION MATHEMATICS EDUCATION (69TH YEARBOOK.)
UNIVERSITY OF CHICAGO PRESS, 1970. E *
+ (EDITED BY E.G. BEGLE)

NEUGEBAUER, O. THE EXACT SCIENCES IN ANTIQUITY.
BROWN UNIVERSITY PRESS, 2ND EDN., 1970. BHU *
+

NEWMAN, J.R. THE WORLD OF MATHEMATICS. (4 VOLS.)
ALLEN & UNWIN, 1960. 3, BCEHLUV *
3,
3,3
+ (INDISPENSABLE - A CLASSIC; SELECTIONS FROM A WIDE RANGE OF ORIGINAL SOURCES, WITH HISTORICAL COMMENTARY; VOL II OUT OF PRINT)

NIVEN, I. THE MATHEMATICS OF CHOICE.
SINGER, NEW YORK CLMUV *
+

NIVEN, I. NUMBERS: RATIONAL AND IRRATIONAL.
MATHEMATICAL ASSOCIATION OF AMERICA, 1961. 3 BCUV *
+ (DISTRIBUTED BY WILEY)

NIVEN, I. & ZUCKERMAN, H.S. AN INTRODUC-TION TO THE THEORY OF NUMBERS. MATHEMATICAL ASSOCAITION OF AMERICA, 3RD EDN., 1978. 3 CLMUV *

NORTHROP, E. P. RIDDLES IN MATHEMATICS. PENGUIN. 1 BLMTUVZ *
+ (GOOD REFERENCE BOOK FOR PARADOXES; EXCELLENT DISCUSSION OF "EVERY TRIANGLE IS ISOSCELES")

NOTTINGHAM UNIVERSITY, SHELL CENTRE FOR MATHEMATICAL EDUCATION BASIC SKILLS IN MATHS FOR ENGINEERING. NOTTINGHAM UNIVERSITY, 1977 1 ABELMU *
+ (G418. MATHEMATICS REQUIREMENTS OF CRAFT APPRENTICES, WITH DETAILED EXAMPLES OF USE. FOR EITB)

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